

Patent claims

1.-13. (cancelled)

14. (new) A screening device, comprising:

a screening cover, which covers an electronic subassembly arranged on a printed circuit board, with an edge which is spaced from a component side of the circuit board by a gap; and

a contact device which is arranged in the gap and establishes an electrical connection

between the screening cover and a conducting contour on the circuit board, wherein

lugs are formed on the edge of the screening cover by which the screening cover is attached to the circuit board and the contact device is held under elastic pretension, wherein

the contact device being embodied as an elastic sealing element running around the circumference of the gap and absorbing electromagnetic waves, and wherein

the conducting contour is formed by dome-shaped contact points.

15. (new) The screening device in accordance with Claim 14, wherein the dome-shaped contact points are arranged on the component side of the printed circuit board at the printed circuit board pitch, or at a grid dimension of the printed circuit board, or at a lead-wire spacing of the printed circuit board.

16. (new) The screening device in accordance with Claim 14, wherein the printed circuit board further comprises openings through which the lugs of the screening cover protrude on the exit side and wherein plastically deformed end sections of the lugs grip the back of the printed circuit board.

17. (new) The screening device in accordance with Claim 15, wherein the printed circuit board further comprises openings through which the lugs of the screening cover protrude on the exit side and wherein plastically deformed end sections of the lugs grip the back

of the printed circuit board.

18. (new) The screening device in accordance with Claim 16, wherein each end section of a lug is designed as a hinged flap or a twist-lock flap.

19. (new) The screening device in accordance with Claim 14, wherein the screening cover is embodied in a uniform material and in one piece and is made of metal.

20. (new) The screening device in accordance with Claim 15, wherein the screening cover is embodied in a uniform material and in one piece and is made of metal.

21. (new) The screening device in accordance with Claim 14, wherein the screening cover is designed in a uniform material, merged into each of its elements, and is made of a metallic material.

22. (new) The screening device in accordance with Claim 14, wherein the edge is designed as a right-angled fold running in the assembled state of the screening cover essentially parallel to the component side, and wherein each lug is formed on the outside circumference and is embodied offset along a wall of the screening cover.

23. (new) The screening device in accordance with Claim 15, wherein the edge is designed as a right-angled fold running in the assembled state of the screening cover essentially parallel to the component side, and wherein each lug is formed on the outside circumference and is embodied offset along a wall of the screening cover.

24. (new) The screening device in accordance with Claim 14, wherein the sealing element is designed as a flat seal and is attached by an electrically conductive adhesive at the edge of the screening cover or the component side.

25. (new) The screening device in accordance with Claim 15, wherein

the sealing element is designed as a flat seal and is attached by an electrically conductive adhesive at the edge of the screening cover or the component side.

26. (new) The screening device in accordance with Claim 14, wherein the screening cover is embodied as a punched-bent part.

27. (new) The screening device in accordance with Claim 15, wherein the screening cover is embodied as a punched-bent part.

28. (new) The screening device in accordance with Claim 14, wherein the screening cover is designed in a cuboidal or rectangle shape.

29. (new) The screening device in accordance with Claim 14, wherein cutouts are provided on a top and/or a side wall of the screening cover.

30. (new) The screening device in accordance with Claim 14, wherein a plurality of screening covers are arranged on a printed circuit board and the screening efficiency of these screen covers is different.

31. (new) The screening device in accordance with Claim 14, wherein the sealing element is formed from a polymer material metallically coated or surrounded by a metallic mesh.

32. (new) The screening device in accordance with Claim 31, wherein the polymer material is a polyamide weave or fleece.

33. (new) The screening device in accordance with Claim 14, wherein the sealing element is formed from an electrically conductive elastomer braided by a tinned copper-coated steel wire mesh.